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[54] ROADWAY LUMINAIRE

[75] Inventors: Mark Taylor Wedell, Germantown; Edward Bernard Bilson, Memphis, both of Tenn.; Thomas A. Zimmerman, Southaven, Miss.; Glenn A. Ellis, III, Memphis, Tenn.

[73] Assignee: Thomas & Betts Corporation, Memphis, Tenn.

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Primary Examiner—Thomas M. Sember

Attorney, Agent, or Firm—Hoffmann & Baron, LLP

[57] ABSTRACT

A roadway luminaire is provided which includes a mast mount docking station securable to an end of a pole mast. The mast mount docking station includes a power plug electrically coupled to the power conductors. The luminaire includes a corresponding power plug which is electrically and mechanically coupled to the mast mount docking station via a twist-lock feature including mating keys and keyways in the docking station and luminaire, respectively. The luminaire includes several plug-in components such as a plug-in photovoltaic cell, a plug-in starter and a capacitor press-fit into a molded cavity in the luminaire. The power plug of the luminaire is adaptable to be used with all international voltages. The twist-lock feature provides for a fool-proof mechanical and electrical connection to ensure that the correctly rated luminaire is connected to the supply voltage.

12 Claims, 10 Drawing Sheets

